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[Continued on next page]

(54) Title: CANCER SPECIFIC MONOCLONAL ANTIBODIES



Breast cancer



Bladder cancer



Pancreas cancer

(57) Abstract: Novel monoclonal antibodies and binding fragments thereof  
specific to human breast cancer, lung cancer, colon cancer and other cancers.  
The monoclonal antibody does not bind to the cell surface of normal human  
tissues. The corresponding cancer-specific antigen or antigens with an appar-  
ent molecular weight of 40-52 130-200 kDa and polynucleotides encoding the  
antigen and the CDR regions of the antibody are also disclosed, as well as  
methods for diagnosis, prognosis and treatment of human breast cancer. The  
antibodies have tumor specificity and are useful for therapy, diagnosis, moni-  
toring, detecting and imaging of cancers. The antibody-recognized cancer-spe-  
cific surface antigens can serve as targets for detecting, diagnosing, inhibiting  
or killing cancer cells.

Immunohistochemistry of Various Human Tissues

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